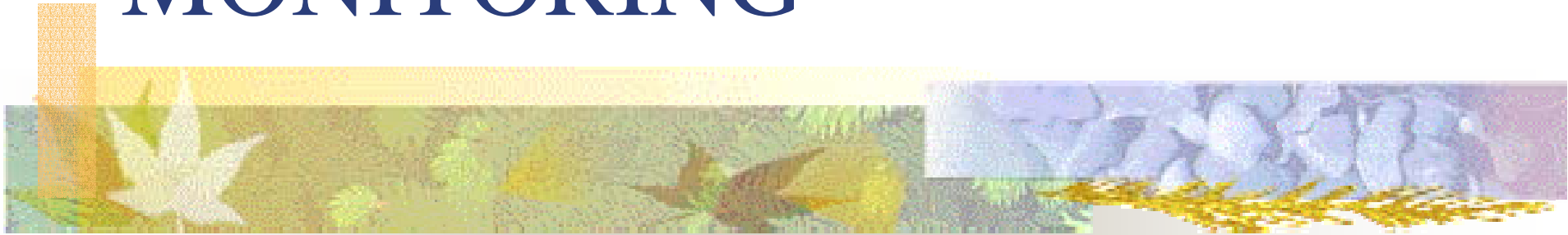


UNITED STATES FOREST SERVICE INVENTORY AND MONITORING



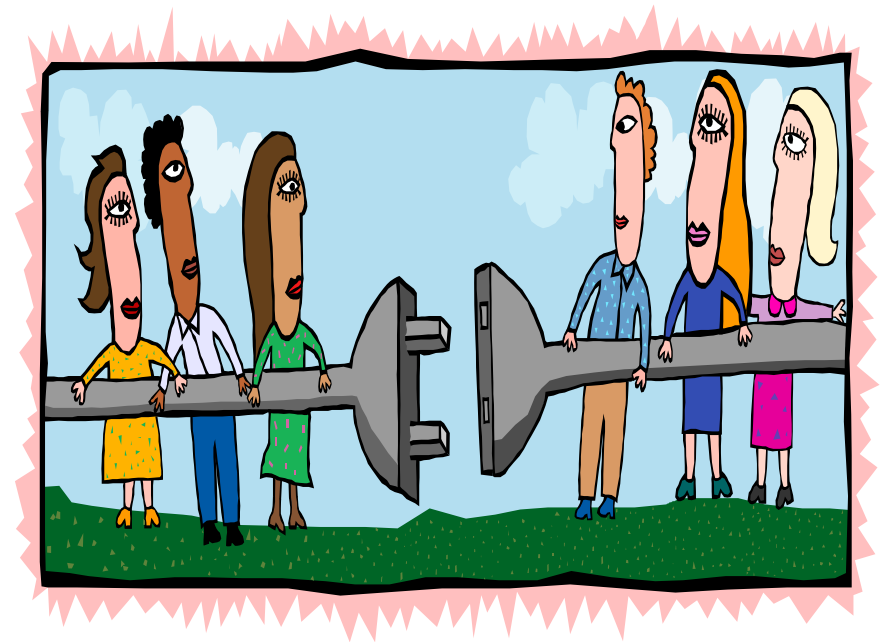
The Future of I & M and the Inventory and Monitoring Issue Team



Inter-Agency Team Chartered to
implement the new I & M
Framework

Team Created March 2000

- Team has made strides toward the I & M goal in the past two years
- Scheduled completion 2003
- Difficult to get people to commit to a long process





Forest Service Inventory and Monitoring Strategic Goal

Forest Service leadership is committed to using state-of-the-art methods and a systems approach to provide highly credible data and information that meet a wide range of customer business needs defined in collaboration with our land management partners.



Our Inventory and Monitoring Principles

- **Utilize a Systems Approach**
- **Customer-Driven Business Requirements**
- **Collaboration w/ Land Management Partners**
- **Science Integration: Credible Methods and Data**
- **Leadership Commitment**



I & M as a Multi-scale effort

- Strategic National Scale
- Strategic Regional Scale
- Strategic National Forest Management
Unit Scale
- Tactical District Scale



National Scale: Forest Inventory and Analysis

- The FIA Inventory covers forests on all forest lands within the U.S.
- In 1998 in response to the Agriculture Research, Extension, and Education Reform Act of 1998, The Forest Service made some major changes to the FIA program by:
 1. Changing from a periodic survey to an annual survey,
 2. Increasing capacity to analyze and publish data,
 3. Combining with the FHM program and adding collection of soil, under-story vegetation, tree crown conditions, coarse woody debris, and lichens.

<http://fia/fs.fed.us/wofia.htm>

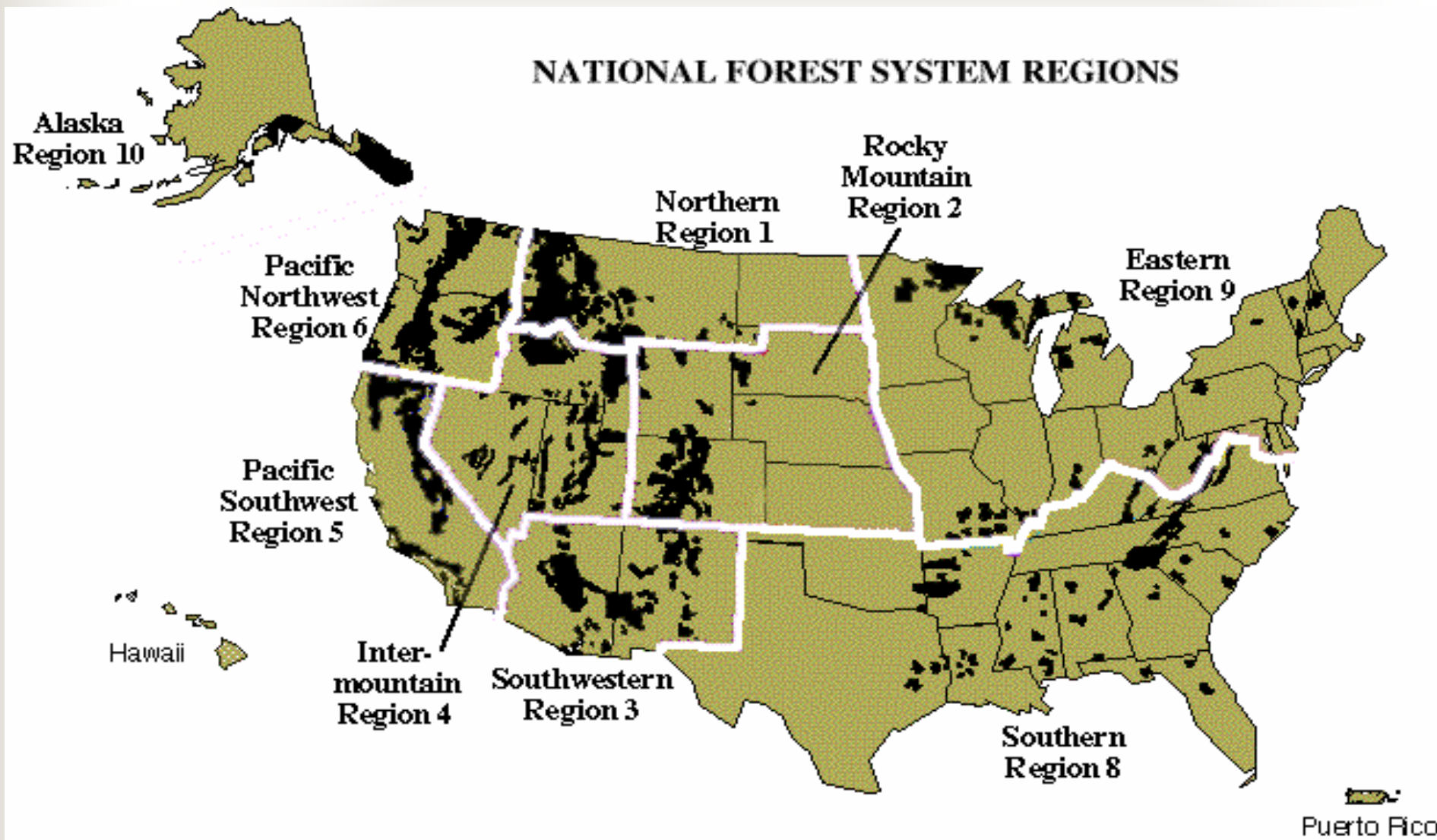


Regional Scale

- Regional Assessments typically examine the conditions of ecological areas (*I & M + analysis*)
- Coordination of I & M at the Forest Level
- (Within the last year, using the Grid system, Forest level can be aggregated up for use in an assessment)
- Most Shrub & Grassland Data (NRCS)

www.fs.fed.us/pages/nfs.html

NATIONAL FOREST SYSTEM REGIONS





Forest Management Scale

- The Forest Service and the IMI have tested the Application of Local Unit Criteria & Indicator Development as an step toward integration at this scale
 - 🌲 Recommending 16 criteria and 58 indicators
 - 🌲 *Flexibility* in selection, measurement and assessment is needed to make the process most useful to each National Forest.
 - 🌲 Core suite of C&I adaptable to the specific conditions of a forest

www.fs.fed.us/institute/lucid



District Scale

- At a district Scale we have traditionally been functionally defined with frequent multiple collection of similar data variables & very little monitoring
- Budget is still functionally provided (budget structure should support the way you want to do the work!)

Funding for three Scales Of Resource Inventories

- National Scale Inventories funded by Research and S&PF (no regional until this year)
- National Forests & Grassland Units are funded from NFS budget (Intensification)
- Project Scale funded by functional project funds





I & M - Past v.s. Future

PAST

- I & M at each Scale
Designed
Independently
- Functional Approach
- Money for I & M
allocated by Function

FUTURE

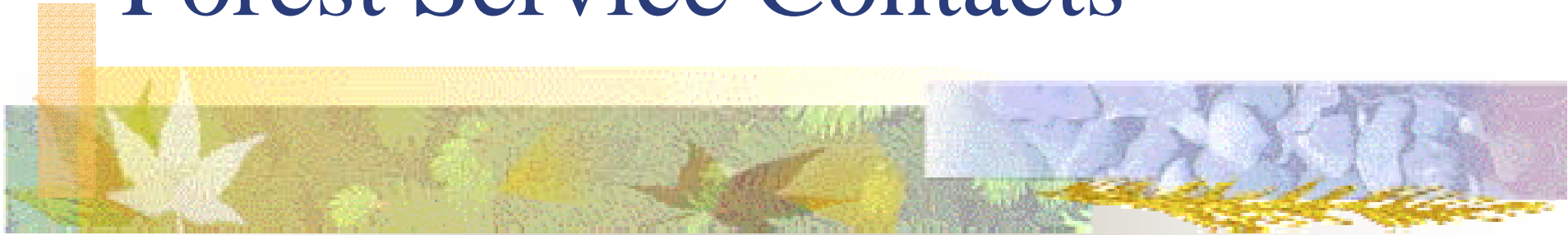
- Multi Scale
Integrated Design
- Ecosystem Approach
- Money for I & M at
lower scales funneled
through a central
staff in the WO &
then through the 9
regions



National NFS I & M Contacts

- Steve Solem,
Resource Info Group
- 202-205-0962
- Doug Powell,
Monitoring
- 202-205-1724
- Jim Keys
- 202-205-1580

Forest Service Contacts



NFS- WO & Regional
FIA- Regional Offices



NFS Regional Contact Information

- Northern Region, R1
- Rocky Mountain, R2
- Eastern, R9
- **Kerry McMenus**
406-329-3408
- **DeAnne Zwright**
303-275-5105,
- **Sam Emmons**
414-297-3429



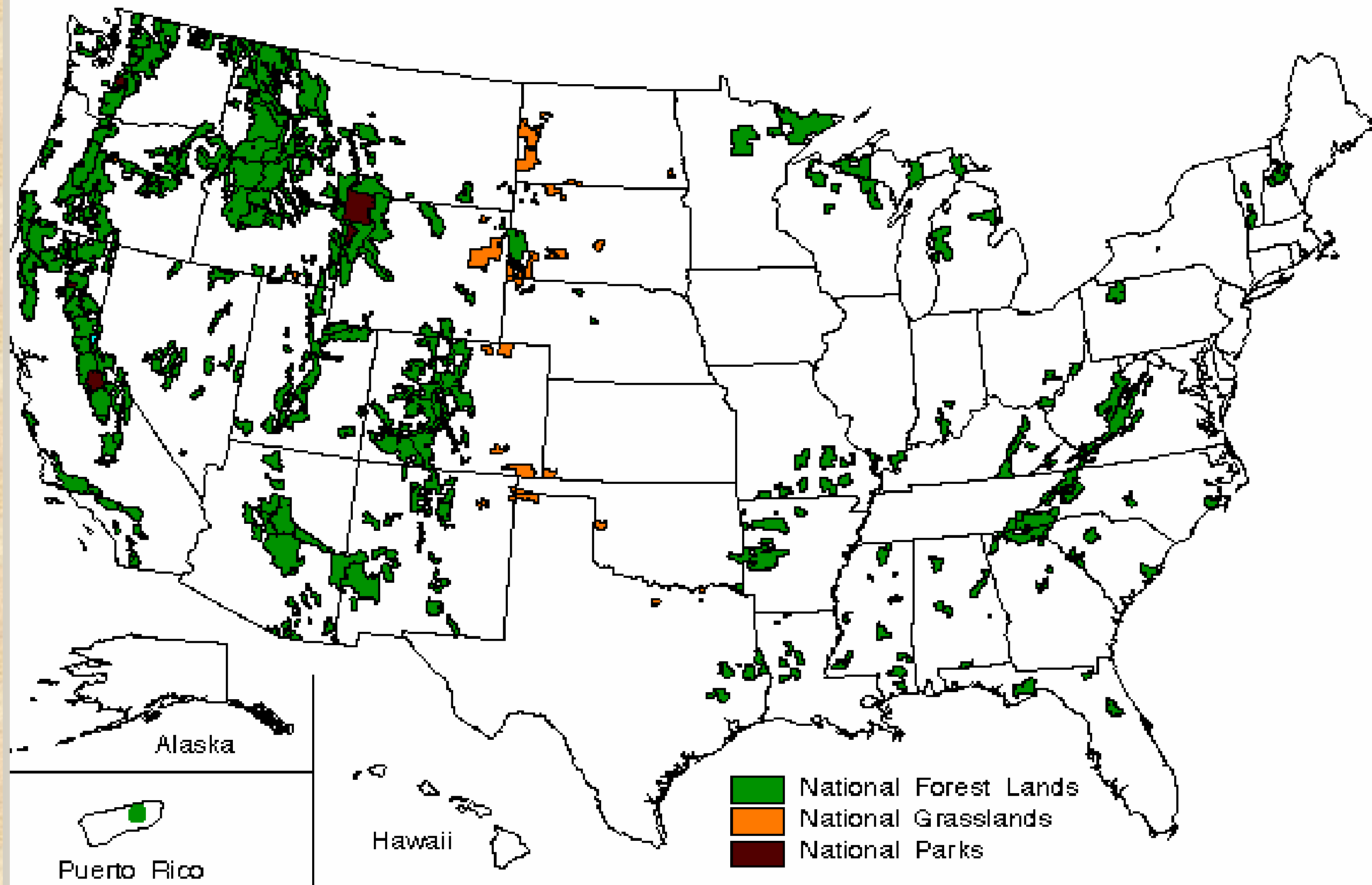
FIA Regional Contacts

- Dennis May- North Central Region, Minn
Tel 651-649-5139
- Michael Wilson - Rocky Mtn Region,
Utah *Tel 801-625-5388*
- Sue Willits – Pacific North West
Region, Oregon *Tel 503-808-2066*

National Forests and Grasslands and National Parks



Opportunity for Collaboration





Applicable Agreements

- Forest Service & National Park Service
1998
- Forest Service NFS & Research, Feb 2001